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(2) The Use of Dyeing Technology in Biomedical Applications. By Martin J. Bide, University of Rhode Island, and M. Phaneuf, C. Ozaki, J. Alessi, W. Quist and F. Logerfo, New England Deaconess Hospital, Harvard Medical School 1/15

(3) A Series on Dyeing: Chapter 9: The Structure and Properties of Disperse Dyes and Related Topics. By J. R. Aspland, Clemson University 1/21

(4) *Short Communication:* Raw Cotton Color Grade as Related to Fabric Dyeability. By Oscar Hinojosa and Devron P. Thibodeaux, Southern Regional Research Center, U.S. Department of Agriculture; Harmon H. Ramey, Agricultural Marketing Service, USDA; and Steven M. Buco, Statistical Resources Inc. 1/27

(5) AATCC Research Committee Activity: November 1992 ..... 1/30

(6) A Review of New Products for the Dyehouse and the Lab Introduced During Calendar 1992 1/36

(7) Identifying Acid Wash, Stone Wash Pumice. By Jerry M. Hoffer, University of Texas at El Paso 2/13

(8) Mechanical and Chemical Finishing of Microfabrics. By Herman B. Goldstein, Consultant 2/16

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(10) Interpretation of Sorption Isotherms for Mixtures of Direct Dyes on Cellulose. By John J. Porter, Clemson University 2/27

(11) 20,000 Visitors Expected for ATME-I in Greenville. 3/19

(12) Analysis of Dyes by Capillary Electrophoresis. By Stephen N. Croft and David Hinks, University of Leeds 3/47

(13) Fabric Whiteness Retention in Durable Press Finishing with Citric Acid. By B. A. Kottes Andrews, Eugene J. Blanchard and Robert M. Reinhardt, Southern Regional Research Center, U.S. Department of Agriculture 3/52

(14) A Series on Dyeing: Chapter 10/Part 2: The Application of Ionic Dyes to Ionic Fibers: Nylon, Silk and Wool and Their Sorption of Anions. By J. R. Aspland, Clemson University 3/55

(15) On-Line Measurement of Durable Press Resin on Fabrics Using the NIR Spectroscopy Method. By Subhas Ghosh and George L. Brodmann, Institute of Textile Technology 4/11

(16) C.I. Disperse Blue 79: Environmental Safety and Human Health Effects of this Commercially Significant Dye. By C. Tucker Helmes, U.S. Dye Manufacturers Operating Committee of the Ecological and Toxicological Association of Dyes and Pigments Manufacturers 4/15

(17) A Series on Dyeing: Chapter 11/Part 1: Anionic Dyes and Their Application to Ionic Fibers: Dyeing Nylon with Acid Dyes. By J. R. Aspland, Clemson University 4/19

(18) Laboratory-to-Bulk Reproducibility in Exhaust Dyeing Processes. By Dietrich Hildebrand and Fredgar Hoffmann, Bayer AG 4/24

(19) AATCC Research Committee Activity: February 1993 ..... 4/30

(20) AATCC Council Highlights: The 329th meeting of the AATCC Council was held February 11, 1993 in Charlotte 5/12

(21) The Early American Textile Dyer: Chemist and Entrepreneur. By Herbert T. Pratt 5/13

(22) *Letters:* Simple Solution for Reducing Upholstery Fires Not So Simple. By Roger Berkley, Chairman, ATMI Upholstery Fabrics Committee. Response by John F. Krasny, Kensington, Md. 5/18

(23) Nonionic and Cationic Curing Additives Which Improve the Whiteness of Citric Acid Treated Cotton. By Hyung-Min Choi, Louisiana State University 5/19

(24) A New Generation of Reactive Dyes for Cotton. By J. P. Luttringer, Ciba-Geigy Ltd. . 5/25

(25) Strategies for Determining Arsenic Residues in Cotton and Cotton Waste. By Henry H. Perkins Jr. and D. E. Brushwood, Cotton Quality Research Station, U.S. Department of Agriculture 5/31

(26) A Series on Dyeing: Chapter 11/Part 2: Continuous Nylon Carpet Dyeing. By J. R. Aspland, Clemson University 5/35

(27) *Letters:* What Is 'Sandwashed' Silk? By Mary Humphries, Don Mills, Ont. 6/10

(28) Environmental Crimes: The Penalties Are Tough. By Thomas A. Burleson, Federal Bureau of Investigation 6/13

(29) Waste Minimization in the Dyehouse. By Brian Glover and Lorraine Hill, ICI Colours . 6/15

(30) A Series on Dyeing: Chapter 12: The Application of Basic Dye Cations to Anionic Fibers: Dyeing Acrylic and Other Fibers with Basic Dyes. By J. R. Aspland, Clemson University 6/21

(31) Pyrolysis-Gas Chromatography of Hercosett 125 Finish on Wool. By Edward T. Cutler, Pilot Research & Development Co., and Paul Magidman and William N. Marmer, Eastern Regional Research Center, U.S. Department of Agriculture 6/27

(32) Technical Program Announced for AATCC's 1993 International Conference & Exhibition in Montreal 8/11

(33) Instrumental Methods for Measuring the Surface Frictional Properties of Softener Treated Fabrics. By Jong-Jun Kim, Hechmi Hamouda, Itzhak Shalev and Roger L. Barker, North Carolina State University 8/15

(34) A Series on Dyeing: Chapter 13: Dyeing Blends of Polyester and Cellulose. By J. R. Aspland, Clemson University 8/21

(35) AATCC Research Committee Activity: May 1993 ..... 8/27

(36) *Letters:* Waste Minimization: A Corollary. By Doug Chambers, Fort Mill, S. C. 9/14

(37) *Letters:* Dye Evaluation: Quo Vadis? By James Park, Nottingham, England 9/14

(38) CATCC's Quebec Section Hosts ICE '93 in Montreal 9/19

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(40) The Late Samuel J. Guertin to Receive The Chapin Award 9/68

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(42) Can a Standard Test be Developed for Measuring the Strength of Disperse Dyes? By Melvin D. Hurwitz, University of North Carolina at Greensboro 9/71

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(46) United Kingdom Hosts ISO and CEN Meetings 10/15

(47) America's Oldest Dyehouse. By Herbert T. Pratt, New Castle, Del. 10/18

(48) Curing Agents Having Low or Zero Phosphorus Content for Formaldehyde Free DP Finishing with Polycarboxylic Acids. By Clark M. Welch and Julie G. Peters, Southern Regional Research Center, U.S. Department of Agriculture 10/25

(49) Yellowing of Whitewashed is 'Paper of the Year' 10/30

(50) A Series on Dyeing: Chapter 14: Pigments as Textile Colorants: Pigmenting or Pigmentation.

I Remember When

A popular feature of the magazine beginning with the February 1991 issue, I Remember When is run every month space is available. This year the stories ran in eleven issues of *Textile Chemist and Colorist*. Following the system used in the Index of Titles, a page number follows each numbered month the feature ran during calendar 1993: 1/8, 2/8, 3/14, 4/8, 5/30, 6/8, 8/9, 9/10, 10/10, 11/14 and 12/12.

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(51) A Litany of Solved Problems. By Herbert T. Pratt 11/19
(52) *Short Communication:* Removal and Speciation of Transition Metal Ions in Textile Dyeing Wastewaters. By W. E. Hill, Warren S. Perkins and Gregory S. Sandlin, Auburn University 11/26
(53) Photodegradation and the Loss of Stain Resistance of Stain Blocker Treated Nylon. By X. X. Huang, Y. K. Kamath and H.-D. Weigmann, Textile Research Institute 11/29
(54) A Series on Dyeing: Chapter 15: Color, Color Measurement and Control. By J. R. Aspland, Clemson University 11/34
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(56) Pictorial Review: AATCC's International Conference & Exhibition 12/14
(57) The Joys of Problem Solving. By Herbert T. Pratt, 1993 Olney Medalist 12/21
(58) Accelerated Lightfastness Testing of Disperse Dyes on Polyester Automotive Fabrics. AATCC Midwest Section, 1993 Intersectional Technical Paper Competition 12/25
(59) Improved Water Repellency and Surface Dyeing of Polyester Fabrics by Plasma Treatment. By A. Majid Sarmadi and Young Ah Kwon, University of Wasconsin, Madison 12/33
(60) Dyeing Sorption Isotherms of Three Direct Dyes and Their Mixtures on Purified Cotton. By Anurag Bairathi, University of Georgia 12/41
(61) The Coloration of High Tenacity Polyamide Fabrics with Acid Dyes Using a New Continuous Dyeing Process. By Samir Hussamy, Hilton Industries Inc. 12/47

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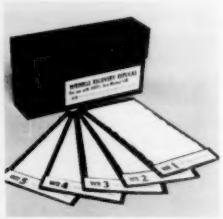

WRINKLE RECOVERY REPLICAS This series of 3-dimensional plastic replicas is used in evaluating the appearance of textile fabrics after induced wrinkling by means of the AATCC Wrinkle Tester (AATCC Test Method 128). By using these replicas, values of 5, 4, 3, 2 or 1 may be assigned in rating a fabric. The set of five replicas, in a protective case, is available from the AATCC Technical Center for $250. Order No. 8390.

AATCC WRINKLE TESTER This standard wrinkling device is the major piece of equipment used in AATCC's Test Method 128 which measures the wrinkle recovery of fabrics. The specimen fabric is wrinkled in the tester under a predetermined load for a prescribed period of time at standard atmospheric conditions. The specimen is then reconditioned in the standard atmosphere and evaluated for appearance by comparing it with the Standards AATCC wrinkle recovery replicas. This wrinkling apparatus is based on a development of ENKA/AKU research and is available from the AATCC Technical Center for $620. Order No. 8391.

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